

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**
(Use several sheets if necessary)

Sheet 1 of 2

ATTORNEY DOCKET NO.

3174-000008

SERIAL NO.

APPLICANT

Donald J. Williams et al.

FILING DATE

GROUP

1002 U.S. PRO
09/02/98
04/03/01

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	<i>[initials]</i>	1,756,672	04/29/1930	J. M. Barr	<i>[initials]</i>	
2.		2,688,103	08/31/1954	D. F. Sheldon	<i>[initials]</i>	
3.		4,149,309	04/17/1979	Mitsui	<i>[initials]</i>	
4.		5,212,419	05/18/1993	Fisher et al.	<i>[initials]</i>	
5.		5,256,926	10/26/1993	Hagenlocher et al.	<i>[initials]</i>	
6.		5,583,387	12/10/1996	Takeuchi et al.	<i>[initials]</i>	
7.		5,729,072	03/17/1998	Hirano et al.	<i>[initials]</i>	
8.		6,092,619	07/25/2000	Nishikawa et al.	<i>[initials]</i>	
9.		6,102,151	08/15/2000	Shimizu et al.	<i>[initials]</i>	
10.	<i>[initials]</i>	6,122,579	09/19/2000	Collier-Hallman et al.	<i>[initials]</i>	

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	<i>[initials]</i>	SU 1354-388-A	11/23/1987	Russia	<i>[initials]</i>	X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.	<i>[initials]</i>	Anthony J. Champagne, Correlation of Electric Power Steering Vibration to Subjective Ratings, March 6-9, 2000, pages 1-3.
2.	<i>[initials]</i>	Goodheart-Willcox Automotive Encyclopedia, Suspension and Steering Systems, pages 578-584.

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**
(Use several sheets if necessary)

Sheet 2 of 2

ATTORNEY DOCKET NO.

SERIAL NO.

3174-000008


APPLICANT

Donald J. Williams et al.

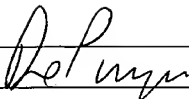
FILING DATE

GROUP

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
3.		Roy McCann, Variable Effort Steering for Vehicle Stability Enhancement Using an Electric Power Steering System, March 6-9, 2000, pages 1-5.

Examiner:



Date Considered:

6/12/02

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



RECEIVED

JUL 23 2001

#3

FORM HSP-1449 (Based on Form PTO-1449) *03600 MAIL ROOM

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY'S LOCKET NO.

3174-000008

SERIAL NO.

09/824,980

APPLICANT

Donald J. Williams et al.

FILING DATE

April 3, 2001

GROUP

3661

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	AW	5,786,651	07/28/1998	Suzuki	180/446	
2.	AW	6,204,579	03/20/2001	Arpino		
3.	AW	6,219,900	04/24/2001	Suzuki		

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.							

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.		

Examiner:

Date Considered:

6/12/02

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

#4

FORM HDP-1449 (Based on Form PTO-1449)		ATTORNEY DOCKET No.	SERIAL No.
PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		3174-000008	09/824,980
		APPLICANT	RECEIVED
		Donald J. Williams et al.	MAR 06 2002
Sheet 1 of 3		FILING DATE	GROUP 3600
		April 3, 2001	3661

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	WBE	3,979,821	09/14/1976	Noodleman		
2.		3,987,324	10/19/1976	Linkous		
3.		4,418,307	11/29/1983	Hoffmann et al.		
4.		4,584,495	04/22/1986	Kordik		
5.		4,819,460	04/11/1989	Obradovic		
6.		4,845,837	07/11/1989	Lloyd		
7.		4,922,165	05/01/1990	Crawford et al.		
8.		4,953,284	09/04/1990	Hammer et al.		
9.		4,998,052	03/05/1991	Erdman et al.		
10.		5,034,642	07/23/1991	Hoemann et al.		
11.		5,076,076	12/31/1991	Payne		
12.		5,161,393	11/10/1992	Payne et al.		
13.		5,194,775	03/16/1993	Cooper		
14.		5,252,902	10/12/1993	Uehara et al.		
15.		5,301,523	04/12/1994	Payne et al.		
16.		5,325,677	07/05/1994	Payne et al.		
17.		5,457,375	10/10/1995	Marcinkiewicz et al.		
18.		5,467,025	11/14/1995	Ray		
19.		5,491,859	02/20/1996	Richardson		
20.		5,563,463	10/08/1996	Stark		
21.		5,589,751	12/31/1996	Lim		

Examiner: <i>DePuy</i>	Date Considered: 6/12/02
------------------------	--------------------------

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

FEB 28 2002

Sheet 2 of 3

ATTORNEY DOCKET NO.

3174-000008

SERIAL NO.

09/824,986 2002

APPLICANT

Donald J. Williams et al.

FILING DATE

April 3, 2001

GROUP

3661

RECEIVED
MAR 06 2002
GROUP 3600**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.	<i>all</i>	5,701,064	12/23/1997	Horst et al.		
23.		5,720,065	02/24/1998	Myers et al.		
24.		5,763,978	06/09/1998	Uchida et al.		
25.		5,777,416	07/07/1998	Kolomeitsev		
26.		5,793,179	08/11/1998	Watkins		
27.		5,859,518	01/12/1999	Vitunic		
28.		5,883,485	03/16/1999	Mehlhorn		
29.		5,923,141	07/13/1999	McHugh		
30.		5,929,590	07/27/1999	Tang		
31.		5,955,861	09/21/1999	Jeong et al.		
32.		5,979,195	11/09/1999	Bestell et al.		
33.		5,982,117	11/09/1999	Taylor et al.		
34.		5,990,592	11/23/1999	Miura et al.		
35.		5,996,379	12/07/1999	Skrippek		
36.		6,011,368	01/04/2000	Kalpathi et al.		
37.		6,020,661	02/01/2000	Trago et al.		
38.		6,040,647	03/21/2000	Brown et al.		
39.		6,081,083	06/27/2000	Nashiki		
40.		6,092,619	07/25/2000	Nishikawa et al.		
41.	<i>all</i>	6,102,151	08/15/2000	Shimizu et al.		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 3 of 3

ATTORNEY DOCKET NO.

3174-000008

RECEIVED

09/824,980

MAR 16 2002

APPLICANT

Donald J. Williams et al

GROUP 3600

FILING DATE

April 3, 2001

GROUP

3661

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
42.	<i>all</i>	6,107,772	08/22/2000	Liu et al.	<i>—</i>	
43.	<i>↓</i>	6,144,131	11/07/2000	Hollenbeck et al.	<i>—</i>	
44.	<i>↓</i>	6,188,196	02/13/2001	Koide et al.	<i>—</i>	
45.	<i>all</i>	6,218,753	04/17/2001	Asano et al.	<i>—</i>	

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	<i>all</i>	DE2937838A	04/02/1981	Germany	<i>—</i>	X	
2.	<i>all</i>	JP404049826A	02/19/1992	Japan	<i>—</i>	X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.	<i>all</i>	Gallegos-Lopez/Kjaer/Miller, "A New Sensorless Method for Switched Reluctance Motor Drives", 1997, Department of Electronics and Electrical Engineering, p. 564-570.
2.	<i>all</i>	Mvungi/Stephenson, "Accurate Sensorless Rotor Position Detection In An SR Motor", 1991, p. 76-79.

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

HR

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Sheet 1 of 1



ATTORNEY DOCKET NO.	SERIAL NO.
3174-000008	09/824,980
APPLICANT	
Donald J. Williams et al.	
FILING DATE	GROUP
April 3, 2001	3661

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	HR	6,049,153	04/11/2000	Nishiyama et al.		
2.		6,127,753	10/03/2000	Yamazaki et al.		
3.		6,226,856	05/08/2001	Kazama et al.		
4.	HR	6,300,700	10/09/2001	Nishiyama et al.		

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	HR	WO 01/95459 A1	12/13/2001	WIPO		X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.		

RECEIVED

MAR 20 2002

GROUP 3600

Examiner:

Defurp

Date Considered:

6/12/02

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.